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## COMBUSTION ANALYZERS

Model Si-CA 030 and Si-CA 130

### Product informations

**Si-CA 030**, combustion analyzer for residential and commercial generators, compact, light and resistant product; equipped with wireless connection to the *Mobile Sauer mann Combustion App* for smartphones and automatic generation of maintenance reports and certificates.

### Product features

- sensor life estimation alert and calibration expiration reminder
- data management with automatic logging and reporting
- draft and differential pressure measurements
- ambient CO monitoring, with automatic pump shutdown for high CO levels
- the CO sensor measures up to CO at 8000ppm
- calculated CO<sub>2</sub>% value
- set up for NO<sub>x</sub> measurement
- quick and easy pump start/stop control
- combustion efficiency and excess air calculations

### Features Mobile App Sauer mann Combustion

- free app for iOS and Android mobile devices
- fast and easy wireless connection
- real-time remote display of combustion analysis data in list or graph form
- remote control to change settings
- data saving, including automatic registration
- creation of reports in PDF, CSV (for Excel) and XML formats



- database for customers, operators and generators

**Download here!**

- <https://play.google.com/store/apps/details?id=com.sauermann.comran20>
- <https://apps.apple.com/gb/app/sauermann-combustion/id1520008258>

**The Si-CA 030 kit includes**

- Si-CA 030 analyzer
- gas sensors (O2, CO model Si-CA 030 2AS) - (O2, CO, NO model Si-CA 030 3AS)
- 180 mm flue probe with 2 m pipe
- condensate separator with filter
- AC adapter / charger
- remote wireless printer
- USB cable
- internal wireless communication module
- vinyl case
- fast guide
- calibration certificate

| <b>ORDER INFORMATION</b> |  |
|--------------------------|--|
| <b>SKU</b><br>90051      | COMBUSTION ANALYZER KIT WITH 2 ELECTROCHEMICAL CELLS (O2, CO), 180 MM PROBE WITH 2 M HOSE AND VINYL CASE, 2-YEAR WARRANTY; INCLUDES WIRELESS PRINTER, 1 PACK OF FILTERS        |
| <b>SKU</b><br>90052      | COMBUSTION ANALYZER KIT WITH 3 ELECTROCHEMICAL CELLS (O2, CO, NO), 180 MM PROBE WITH 2 M HOSE, VINYL CASE AND 2-YEAR WARRANTY; INCLUDES WIRELESS PRINTER AND 1 PACK OF FILTERS |



**Si-CA 130**, combustion analyzer for residential and commercial generators, compact, light and resistant product; equipped with a *touch-screen display and PC management software (in addition to the smartphone app)* for more in-depth analysis.

## Product features

- warning about the estimated life of the sensors and reminder of the expiration of the calibration
- draft and differential pressure measurements
- calculated CO<sub>2</sub>% value
- prepared for NO<sub>x</sub> and low NO<sub>x</sub> cell (optional)
- combustion efficiency and excess air calculations
- monitoring of CO and CO<sub>2</sub> *in ambient air*
- rubber protective case
- automatic pump shutdown for high CO levels (*user settable thresholds*)
- *one touch On/Off pump with refreshments*
- *Windows PC software with wireless and USB connectivity*
- *graphical display of data*
- *customizable gas analysis screen*
- *flue gas treatment unit for precise NO<sub>x</sub> measurements*
- *smart probe for air temperature*

## Features Sauer mann Combustion Mobile App and PC Software

- free apps for iOS and Android mobile devices
- PC software with USB and wireless connectivity
- fast and easy wireless connection
- real-time remote display of combustion analysis data in table or graph form
- remote control to change settings
- data saving, including automatic registration
- creation of reports in PDF, CSV (for Excel) and XML formats
- database for customers, operators and generators

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## Combustion Analyzers

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- <https://apps.apple.com/gb/app/sauermann-combustion/id1520008258>

### The Si-CA 130 kit includes

- Si-CA 130 analyzer
- gas sensors (O<sub>2</sub> and CO model Si-CA 130 2AHD) - (O<sub>2</sub>, CO, NO model Si-CA 130 3AHD)
- rubber protective case
- 180 mm flue probe with 2 m pipe
- condensate separator with filter
- AC adapter / charger
- wireless printer
- replacement filter pack
- ABS case
- USB cable
- mobile app and PC software
- internal wireless communication module
- fast guide
- calibration certificate



**ORDER INFORMATION**

|                             |  |
|-----------------------------|--|
| <p><b>SKU</b><br/>90053</p> | <p>COMBUSTION ANALYZER KIT WITH TOUCH-SCREEN, 2 <i>ELECTROCHEMICAL CELLS (O2, CO) EXPANDABLE TO THIRD CELL (NO)</i>, PROTECTION OF THE SENSORS BY STOPPING THE PUMP, 180 MM FLUE GAS PROBE WITH 2 M HOSE AND CONDENSATE TRAP WITH FILTER, MAGNETIC PROTECTIVE SHELL, RIGID ABS PLASTIC CASE, BATTERY CHARGER, USB CABLE, QUICK START GUIDE AND CALIBRATION CERTIFICATE. DRAFT SENSOR <i>UNI 10845</i> COMPLIANT, WIRELESS COMMUNICATION FOR MOBILE APPLICATION AND REMOTE PRINTER; PREPARED FOR SYSTEM LEAK TEST ACCORDING TO <i>UNI 7129</i> AND <i>UNI 11137</i>.<br/>WARRANTY: INSTRUMENT 2 YEARS, O2/CO CELLS 4 YEARS.</p> |
| <p><b>SKU</b><br/>90054</p> | <p>COMBUSTION ANALYZER KIT WITH TOUCH-SCREEN, 3 <i>ELECTROCHEMICAL CELLS (O2, CO, NO)</i>, PROTECTION OF THE SENSORS BY STOPPING THE PUMP, 180 MM FLUE GAS PROBE WITH 2 M HOSE AND CONDENSATE TRAP WITH FILTER, MAGNETIC PROTECTIVE SHELL, RIGID ABS PLASTIC CASE, BATTERY CHARGER, USB CABLE, QUICK START GUIDE AND CALIBRATION CERTIFICATE. DRAFT SENSOR <i>UNI 10845</i> COMPLIANT, WIRELESS COMMUNICATION FOR MOBILE APPLICATION AND REMOTE PRINTER; PREPARED FOR SYSTEM LEAK TEST ACCORDING TO <i>UNI 7129</i> AND <i>UNI 11137</i>.<br/>WARRANTY: INSTRUMENT 2 YEARS, O2/CO CELLS 4 YEARS.</p>                           |



## Technical Features

| <i>SKU 90051 / 90052</i>    |   |
|-----------------------------|---|
| <b>POWER SUPPLY</b>         | 100-240 VAC 50-60 HZ, 5 VDC/2A POWER SUPPLY   |
| <b>OPERATING CONDITIONS</b> | - 5°C ÷ 45°C (UNDER NON-CONDENSING CONDITIONS)  |
| <b>CONNECTION</b>           | CLASS 2 WIRELESS, FREQUENCY RANGE FROM 2.402 MHZ TO 2.480 MHZ WITH A TRANSMISSION POWER OF 1 DBM (RANGE UP TO 15 M, DEPENDING ON THE RADIO SIGNAL STRENGTH OF THE SMARTPHONE) |
| <b>MATERIAL</b>             | ABS-PC  |
| <b>DEGREE OF PROTECTION</b> | IP42 (PROTECTED AGAINST DRIPPING WATER AND PROTECTED AGAINST INGRESS OF SOLID OBJECTS LARGER THAN 1MM)  |
| <b>DISPLAY</b>              | COLOR DISPLAY, 320 X 240 PIXELS   |
| <b>KEYBOARD</b>             | 5 KEYS  |
| <b>BATTERY</b>              | BATTERY LIFE 8 H (LI-ION 5100 MA/H 3.6 V RECHARGEABLE BATTERY)  |
| <b>STORAGE TEMPERATURE</b>  | - 20°C ÷ 50°C   |
| <b>LANGUAGES AVAILABLE</b>  | ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN AND PORTUGUESE  |
| <b>WEIGHT</b>               | 350 G   |
| <b>DIMENSIONS</b>           | 99 X 49 X 194 MM (WXDXH)  |



| <i>SKU 90053 / 90054</i>    |  |
|-----------------------------|--|
| <b>POWER SUPPLY</b>         | 100-240 VAC 50-60 HZ, 5 VDC/2A POWER SUPPLY  |
| <b>OPERATING CONDITIONS</b> | - 5°C ÷ 45°C (UNDER NON-CONDENSING CONDITIONS)   |
| <b>CONNECTION</b>           | LASS 2 WIRELESS, FREQUENCY RANGE FROM 2.402 MHZ TO 2.480 MHZ WITH A TRANSMISSION POWER OF 1 DBM (RANGE UP TO 15 M, DEPENDING ON THE RADIO SIGNAL STRENGTH OF THE SMARTPHONE) |
| <b>MATERIAL</b>             | ABS-PC   |
| <b>DEGREE OF PROTECTION</b> | IP42 (PROTECTED AGAINST DRIPPING WATER AND PROTECTED AGAINST INGRESS OF SOLID OBJECTS LARGER THAN 1MM)   |
| <b>DISPLAY</b>              | TOUCH-SCREEN COLOR DISPLAY, 480 X 272 PIXELS   |
| <b>TASTIERA</b>             | 1 ON/OFF BUTTON  |
| <b>KEYBOARD</b>             | BATTERY LIFE 8 H (LI-ION 5100 MA/H 3.6 V RECHARGEABLE BATTERY)   |
| <b>STORAGE TEMPERATURE</b>  | - 20°C ÷ 50°C  |
| <b>LANGUAGES AVAILABLE</b>  | ENGLISH, FRENCH, GERMAN, SPANISH, ITALIAN AND PORTUGUESE   |
| <b>WEIGHT</b>               | 350 G  |
| <b>DIMENSIONS</b>           | 99 X 49 X 194 MM (WXDXH)   |



## Combustion Analyzers

| SKU         | MODEL                                | PRICE                 |
|-------------|--------------------------------------|-----------------------|
| 00000090051 | COMBUSTION ANALYZER - SI-CA 030 2AS  | €3006.1 VAT EXCLUDED  |
| 00000090052 | COMBUSTION ANALYZER - SI-CA 030 3AS  | €3711.4 VAT EXCLUDED  |
| 00000090053 | COMBUSTION ANALYZER - SI-CA 130 2AHD | €4350.75 VAT EXCLUDED |
| 00000090054 | COMBUSTION ANALYZER - SI-CA 130 3AHD | €5370.45 VAT EXCLUDED |

